

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	ABUTMENT TO ABUTMENT								
	PRESTRESSED CONCRETE BEAMS (TYPE BT-72) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)	WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)	(PL) FIXED BEARING ASSEMBLY (EACH)		
95'	379	191.0	600	182.7	TR4 W/ OPENINGS 29,610	TR4 W/ OPENINGS 434	TR4 W/ OPENINGS 427	8	
100'	399	201.0	600	188.8	30,840	31,720	453	447	8
105'	419	211.0	600	195.0	31,950	32,950	473	466	8
110'	439	221.0	600	201.1	33,190	34,170	493	485	8

① Quantity includes provision for laps required in longitudinal reinforcing as follows: 95' thru 110' Spans - 1 lap

② Quantity includes provision for laps required in longitudinal reinforcing as follows: 95' thru 105' Spans - 1 1/2 lps 110' Span - 2 lps  
Laps account for adjacent span combinations and are approximate. Pay quantity will be as shown on the plans.

③ At abutments, provide and install Fixed Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span for the Fixed Bearing Assemblies. Include all costs associated with providing and installing the Anchor Plate and Anchor Bars, including all material, labor, equipment and incidentals necessary to complete the work shown in the plans in the contract unit price of FIXED BEARING ASSEMBLIES.

④ At all piers, provide and install Expansion Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span for the Expansion Bearing Assemblies. Include all costs associated with providing and installing the Elastomeric Pads, Anchor Plates, Contact Plates, Anchor Bars and Anchor Bolts, Nuts and Washers, including all material, labor, equipment and incidentals necessary to complete the work shown in the plans in the contract unit price of EXPANSION BEARING ASSEMBLIES.

⑤ Provide and install Elastomeric Pads between the top surface of the Beams and the bottom surface of the Deck Slab. The Elastomeric Pads are to be of the size and shape as detailed in the plans and located at each Beam end above the Piers. Include all costs associated with providing and installing the Elastomeric Pads above the Beams, including all material, labor, equipment, and incidentals necessary to complete the work as shown in the plans, in the contract unit price of ELASTOMERIC BEARING PADS.

SPAN	BEARING ASSEMBLY STRUCTURAL STEEL QUANTITIES PER SPAN			
	ABUTMENT TO ABUTMENT	ABUTMENT TO PIER	EXPANSION BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
95'	700	350	710	1,420
100'	700	350	720	1,440
105'	700	350	720	1,440
110'	700	350	730	1,460

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	PRESTRESSED CONCRETE BEAMS (TYPE BT-72) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)	WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)	(PL) FIXED BEARING ASSEMBLY (EACH)	EXPANSION BEARING ASSEMBLY (EACH)	ELASTOMERIC BEARING PADS (EACH)	ELASTOMERIC BEARING PADS (EACH)
95'	379	190.5	900	157.6	TR4 W/ OPENINGS 28,820	TR4 W/ OPENINGS 405	TR4 W/ OPENINGS 398	4	4	4
100'	399	200.5	900	163.8	30,060	30,840	424	418	4	4
105'	419	210.5	900	169.9	31,170	32,060	444	437	4	4
110'	439	220.5	900	176.0	32,490	33,370	464	457	4	4

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	PIER TO PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE BT-72) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)	WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)	(PL) EXPANSION BEARING ASSEMBLY (EACH)	ELASTOMERIC BEARING PADS (EACH)	ELASTOMERIC BEARING PADS (EACH)	ELASTOMERIC BEARING PADS (EACH)
95'	379	190.0	1,200	132.6	TR4 W/ OPENINGS 27,990	TR4 W/ OPENINGS 376	TR4 W/ OPENINGS 369	8	8	8
100'	399	200.0	1,200	138.7	29,110	29,890	395	389	8	8
105'	419	210.0	1,200	144.9	30,340	31,110	410	408	8	8
110'	439	220.0	1,200	151.0	31,530	32,420	429	428	8	8

**CONSTRUCTION JOINT SEAL QUANTITIES**

ITEM	UNIT	EACH PIER
(SP) SEALER CRACK PREPARATION	L.F.	81.5
(SP) SEALER RESIN	GAL.	0.9

APPROVED BY BRIDGE ENGINEER *Cheryl Hester* DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION  
BRIDGE STANDARD (ENGLISH)  
**SUPERSTRUCTURE QUANTITIES**  
TYPE BT-72 P.C. BEAMS  
INTEGRAL

1999 SPECIFICATIONS B40-I-SPR-QUAN-PCB-BT 02E B-210E